

## SEQUENCE LISTING

<110> Genova Ltd.  
Bougueret, Lydie  
Cusin, Isabelle

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33628A/GLT (5037-W001)

<150> US 60/484,153  
<151> 2003-06-30

<160> 8

<170> PatentIn version 3.1

<210> 1  
<211> 456  
<212> PRT  
<213> Homo sapiens

<400> 1

Met Ile Leu Ser Leu Leu Phe Ser Leu Gly Gly Pro Leu Gly Trp Gly  
1 5 10 15

Leu Leu Gly Ala Trp Ala Gln Ala Ser Ser Thr Ser Leu Ser Asp Leu  
20 25 30

Gln Ser Ser Arg Thr Pro Gly Val Trp Lys Ala Glu Ala Glu Asp Thr  
35 40 45

Gly Lys Asp Pro Val Gly Arg Asn Trp Cys Pro Tyr Pro Met Ser Lys  
50 55 60

Leu Val Thr Leu Leu Ala Leu Cys Lys Thr Glu Lys Phe Leu Ile His  
65 70 75 80

Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Lys Val Lys  
85 90 95

Val Met Tyr Arg Met Ala His Lys Pro Val Tyr Gln Val Lys Gln Lys  
100 105 110

Val Leu Thr Ser Leu Ala Trp Arg Cys Cys Pro Gly Tyr Thr Gly Pro  
115 120 125

Asn Cys Glu His His Asp Ser Met Ala Ile Pro Glu Pro Ala Asp Pro  
130 135 140

Gly Asp Ser His Gln Gln Glu Pro Gln Asp Gly Pro Val Ser Phe Lys Pro  
145 150 155 160

Gly His Leu Ala Ala Val Ile Asn Glu Val Glu Val Gln Gln Glu Gln  
165 170 175

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Gln Glu His Leu Leu Gly Asp Leu Gln Asn Asp Val His Arg Val Ala  
 180 185 190  
 Asp Ser Leu Pro Gly Leu Trp Lys Ala Leu Pro Gly Asn Leu Thr Ala  
 195 200 205  
 Ala Ser Leu Ser Asn Asp Val Lys Asn Val Gly Arg Cys Cys Glu Ala  
 210 215 220  
 Glu Ala Gly Ala Gly Ala Ala Ser Leu Asn Ala Ser Leu His Gly Leu  
 225 230 235 240  
 His Asn Ala Leu Phe Ala Thr Gln Arg Ser Leu Glu Gln His Gln Arg  
 245 250 255  
 Leu Phe His Ser Leu Phe Gly Asn Phe Gln Gly Leu Met Glu Ala Asn  
 260 265 270  
 Val Ser Leu Asp Leu Gly Lys Leu Gln Thr Met Leu Ser Arg Lys Gly  
 275 280 285  
 Lys Lys Gln Gln Lys Asp Leu Glu Ala Pro Arg Lys Arg Asp Lys Lys  
 290 295 300  
 Glu Ala Glu Pro Leu Val Asp Ile Arg Val Thr Gly Pro Val Pro Gly  
 305 310 315 320  
 Ala Leu Gly Ala Ala Leu Trp Glu Ala Gly Ser Pro Val Ala Phe Tyr  
 325 330 335  
 Ala Ser Phe Ser Glu Gly Thr Ala Ala Leu Gln Thr Val Lys Phe Asn  
 340 345 350  
 Thr Thr Tyr Ile Asn Ile Gly Ser Ser Tyr Phe Pro Glu His Gly Tyr  
 355 360 365  
 Phe Arg Ala Pro Glu Arg Gly Val Tyr Leu Phe Ala Val Ser Val Glu  
 370 375 380  
 Phe Gly Pro Gly Pro Gly Thr Gly Gln Leu Val Phe Gly Gly His His  
 385 390 395 400  
 Arg Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr  
 405 410 415  
 Val Phe Ala Met Ala Glu Leu Gln Lys Gly Glu Arg Val Trp Phe Glu  
 420 425 430  
 Leu Thr Gln Gly Ser Ile Thr Lys Arg Ser Leu Ser Gly Thr Ala Phe  
 435 440 445

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Gly Gly Phe Leu Met Phe Lys Thr  
450 455

<210> 2  
<211> 433  
<212> PRT  
<213> Homo sapiens

<400> 2  
Ala Ser Ser Thr Ser Leu Ser Asp Leu Gln Ser Ser Arg Thr Pro Gly  
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Val Trp Lys Ala Glu Ala Glu Asp Thr Ser Lys Asp Pro Val Gly Arg  
20 25 30

Asn Trp Cys Pro Tyr Pro Met Ser Lys Leu Val Thr Leu Leu Ala Leu  
35 40 45

Cys Lys Thr Glu Lys Phe Leu Ile His Ser Gln Gln Pro Cys Pro Gln  
50 55 60

Gly Ala Pro Asp Cys Gln Lys Val Lys Val Met Tyr Arg Met Ala His  
65 70 75 80

Lys Pro Val Tyr Gln Val Lys Gln Lys Val Leu Thr Ser Leu Ala Trp  
85 90 95

Arg Cys Cys Pro Gly Tyr Thr Gly Pro Asn Cys Glu His His Asp Ser  
100 105 110

Met Ala Ile Pro Glu Pro Ala Asp Pro Gly Asp Ser His Gln Glu Pro  
115 120 125

Gln Asp Gly Pro Val Ser Phe Lys Pro Gly His Leu Ala Ala Val Ile  
130 135 140

Asn Glu Val Glu Val Gln Gln Glu Gln Gln Glu His Leu Leu Gly Asp  
145 150 155 160

Leu Gln Asn Asp Val His Arg Val Ala Asp Ser Leu Pro Gly Leu Trp  
165 170 175

Lys Ala Leu Pro Gly Asn Leu Thr Ala Ala Ser Leu Ser Asn Asp Val  
180 185 190

Lys Asn Val Gly Arg Cys Cys Glu Ala Glu Ala Gly Ala Gly Ala Ala  
195 200 205

Ser Leu Asn Ala Ser Leu His Gly Leu His Asn Ala Leu Phe Ala Thr  
210 215 220

Gln Arg Ser Leu Glu Gln His Gln Arg Leu Phe His Ser Leu Phe Gly

225	230	235	240
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Asn	Phe	Gln	Gly	Leu	Met	Glu	Ala	Asn	Val	Ser	Leu	Asp	Leu	Gly	Lys
245						250							255		

Leu	Gln	Thr	Met	Leu	Ser	Arg	Lys	Gly	Lys	Lys	Gln	Gln	Lys	Asp	Leu
260						265						270			

Glu	Ala	Pro	Arg	Lys	Arg	Asp	Lys	Lys	Glu	Ala	Glu	Pro	Leu	Val	Asp
275						280						285			

Ile	Arg	Val	Thr	Gly	Pro	Val	Pro	Gly	Ala	Leu	Gly	Ala	Ala	Leu	Trp
290						295					300				

Glu	Ala	Gly	Ser	Pro	Val	Ala	Phe	Tyr	Ala	Ser	Phe	Ser	Glu	Gly	Thr
305						310					315			320	

Ala	Ala	Leu	Gln	Thr	Val	Lys	Phe	Asn	Thr	Thr	Tyr	Ile	Asn	Ile	Gly
325						330						335			

Ser	Ser	Tyr	Phe	Pro	Glu	His	Gly	Tyr	Phe	Arg	Ala	Pro	Glu	Arg	Gly
340						345						350			

Val	Tyr	Leu	Phe	Ala	Val	Ser	Val	Glu	Phe	Gly	Pro	Gly	Pro	Gly	Thr
355						360					365				

Gly	Gln	Leu	Val	Phe	Gly	Gly	His	His	Arg	Thr	Pro	Val	Cys	Thr	Thr
370						375						380			

Gly	Gln	Gly	Ser	Gly	Ser	Thr	Ala	Thr	Val	Phe	Ala	Met	Ala	Glu	Leu
385						390					395			400	

Gln	Lys	Gly	Glu	Arg	Val	Trp	Phe	Glu	Leu	Thr	Gln	Gly	Ser	Ile	Thr
405								410						415	

Lys	Arg	Ser	Leu	Ser	Gly	Thr	Ala	Phe	Gly	Gly	Phe	Leu	Met	Phe	Lys
420						425						430			

Thr

<210>	3
<211>	152
<212>	PRT
<213>	Homo sapiens
<400>	3

Glu	Ala	Glu	Pro	Leu	Val	Asp	Ile	Arg	Val	Thr	Gly	Pro	Val	Pro	Gly
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Ala	Leu	Gly	Ala	Ala	Leu	Trp	Glu	Ala	Gly	Ser	Pro	Val	Ala	Phe	Tyr
20						25						30			

Ala Ser Phe Ser Glu Gly Thr Ala Ala Leu Gln Thr Val Lys Phe Asn  
35 40 45

Thr Thr Tyr Ile Asn Ile Gly Ser Ser Tyr Phe Pro Glu His Gly Tyr  
50 55 60

Phe Arg Ala Pro Glu Arg Gly Val Tyr Leu Phe Ala Val Ser Val Glu  
65 70 75 80

Phe Gly Pro Gly Pro Gly Thr Gln Leu Val Phe Gly Gly His His  
85 90 95

Arg Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr  
100 105 110

Val Phe Ala Met Ala Glu Leu Gln Lys Gly Glu Arg Val Trp Phe Glu  
115 120 125

Leu Thr Gln Gly Ser Ile Thr Lys Arg Ser Leu Ser Gly Thr Ala Phe  
130 135 140

Gly Gly Phe Leu Met Phe Lys Thr  
145 150

<210> 4  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 4

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Phe Ala Met Ala Glu Leu Gln Lys  
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<210> 5  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 5

Val Trp Phe Glu Leu Thr Gln Gly Ser Ile Thr Lys  
1 5 10

<210> 6  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 6

Ser Leu Ser Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys  
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5

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<210> 7  
 <211> 1371  
 <212> DNA  
 <213> Homo sapiens

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 tggaaaggccagg aggctgaggaa caccggcaag gacccggtag gacgttaactg gtgcccctac 180  
 ccaatgttcca agctggtcac cttactagct ctttgcaaaaa cagagaaatt cttcatccac 240  
 tcgcgcgcgc cgtgtccgcga gggagcttca gactgtccaga aagtcaaaatg catgtaccgc 300  
 atggcccaaca agccagggtta ctaggtcaag cagaagggtgc tgacccctttt ggccctggagg 360  
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 cacaacgcac tcttcgcaccc tcagcgcaggc ttggagcagc accaggcggt ctccacagc 780  
 ctctttggaa acttccaagg gctcatggaa gccaacgtca gcctggacactt ggggaagctg 840  
 cagaccatgc tgtagcaggaa aagggaaagag cagcagaaag accttggaaagc tcccccggaaag 900  
 aagggacaaga aaggaagcggc gcctttgggtt gacatacggg tcacaggggcc tggtccagg 960  
 gccttggcg cggcgctctg ggaggcagga tccctgtgg ccttctatgc cagctttca 1020  
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<210> 8  
 <211> 417  
 <212> PRT  
 <213> Mus musculus

&lt;400&gt; 8

Met Ile Pro Thr Leu Leu Leu Gly Phe Gly Val Tyr Leu Ser Trp Gly  
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Leu Leu Gly Ser Trp Ala Gln Asp Pro Gly Thr Lys Phe Ser His Leu

20

25

30

Asn Arg Pro Gly Met Pro Glu Gly Trp Arg Leu Gly Ala Glu Asp Thr  
 35 40 45

Ser Arg Asp Pro Ile Arg Arg Asn Trp Cys Pro Tyr Gln Lys Ser Arg  
 50 55 60

Leu Val Thr Phe Val Ala Ala Cys Lys Thr Glu Lys Phe Leu Val His  
 65 70 75 80

Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Gly Val Arg  
 85 90 95

Val Met Tyr Arg Val Ala Gln Lys Pro Val Tyr Gln Val Gln Gln Lys  
 100 105 110

Val Leu Ile Ser Val Asp Trp Arg Cys Cys Pro Gly Phe Gln Gly Pro  
 115 120 125

Asp Cys Gln Asp His Asn Pro Thr Ala Asn Pro Glu Pro Thr Glu Pro  
 130 135 140

Ser Gly Lys Leu Gln Glu Thr Trp Asp Ser Met Asp Gly Phe Glu Leu  
 145 150 155 160

Gly His Pro Val Pro Glu Phe Asn Glu Ile Lys Val Pro Gln Glu Gln  
 165 170 175

Gln Glu Ile Arg Arg Leu Ser Ser Asp Val Lys Gln Ile Gly Gln Cys  
 180 185 190

Cys Glu Ala Ser Trp Ala Ala Ser Leu Asn Ser Ser Leu Glu Asp Leu  
 195 200 205

His Ser Met Leu Leu Asp Thr Gln His Gly Leu Arg Gln His Arg Gln  
 210 215 220

Leu Phe His Asn Leu Phe Gln Asn Phe Gln Gly Leu Val Ala Ser Asn  
 225 230 235 240

Ile Ser Leu Asp Leu Gly Lys Leu Gln Ala Met Leu Ser Lys Lys Asp  
 245 250 255

Lys Lys Gln Pro Arg Gly Pro Gly Glu Ser Arg Lys Arg Asp Lys Lys  
 260 265 270

Gln Val Val Met Ser Thr Asp Ala His Ala Lys Gly Leu Glu Leu Trp  
 275 280 285

Glu Thr Gly Ser Pro Val Ala Phe Tyr Ala Gly Ser Ser Glu Gly Ala

290

295

300

Thr Ala Leu Gln Met Val Lys Phe Asn Thr Thr Ser Ile Asn Val Gly  
305 310 315 320

Ser Ser Tyr Phe Pro Glu His Gly Tyr Phe Arg Ala Pro Lys Arg Gly  
325 330 335

Val Tyr Leu Phe Ala Val ser Ile Thr Phe Gly Pro Gly Pro Gly Met  
340 345 350

Gly Gln Leu Val Phe Glu Gly His His Arg Val Pro Val Tyr Ser Thr  
355 360 365

Glu Gln Arg Gly Gly Ser Thr Ala Thr Thr Phe Ala Met Val Glu Leu  
370 375 380

Gln Lys Gly Glu Arg Ala Trp Phe Glu Leu Ile Gln Gly Ser Ala Thr  
385 390 395 400

Lys Gly Ser Gln Pro Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys  
405 410 415

Thr